

IN THE CLAIMS:

Amended claims follow:

1. (Currently Amended) A method for translating protocol decode objects, comprising:
 - (a) receiving a plurality of frames;
 - (b) decoding the frames in order to generate protocol decode objects each with a numerical identifier associated therewith;
 - (c) translating each numerical identifier to a textual identifier; and
 - (d) displaying each textual identifier associated with the protocol decode objects for facilitating the use of the protocol decode objects during network analysis;
wherein a list of management information bases (MIBs) is received from a user utilizing an MIB graphical user interface, where the MIBs are selected based on which of a plurality of protocol components are to be decoded;
wherein the list of MIBs is compiled in order to generate a map;
wherein the numerical identifier is translated to the textual identifier utilizing the map;
wherein the map includes a list of the numerical identifiers each with the associated textual identifier;
wherein an analysis graphical user interface is included with a summary window for displaying the textual identifier, and a decode window for displaying decoded frames simultaneously with the summary window.
2. (Cancelled)
3. (Currently Amended) The method as recited in claim 2~~1~~, wherein the MIBs include a hierarchical structure.
4. (Cancelled)

5. (Currently Amended) The method as recited in claim 4~~1~~, and further comprising loading a decoder with the map.
6. (Cancelled)
7. (Currently Amended) The method as recited in claim 6~~1~~, wherein the map includes a look-up table.
8. (Cancelled)
9. (Original) The method as recited in claim 1, wherein the textual identifiers include alphanumeric text descriptive of the protocol decode objects.
10. (Currently Amended) A computer program product for translating protocol decode objects, comprising:
 - (a) computer code for receiving a plurality of frames;
 - (b) computer code for decoding the frames in order to generate protocol decode objects each with a numerical identifier associated therewith;
 - (c) computer code for translating each numerical identifier to a textual identifier; and
 - (d) computer code for displaying each textual identifier associated with the protocol decode objects for facilitating the use of the protocol decode objects during network analysis;
wherein a list of management information bases (MIBs) is received from a user utilizing an MIB graphical user interface, where the MIBs are selected based on which of a plurality of protocol components are to be decoded;
wherein the list of MIBs is compiled in order to generate a map;
wherein the numerical identifier is translated to the textual identifier utilizing the map;
wherein the map includes a list of the numerical identifiers each with the associated textual identifier;

wherein an analysis graphical user interface is included with a summary window for displaying the textual identifier, and a decode window for displaying decoded frames simultaneously with the summary window.

11. (Cancelled)
12. (Currently Amended) The computer program product as recited in claim ~~11~~10, wherein the MIBs include a hierarchical structure.
13. (Cancelled)
14. (Currently Amended) The computer program product as recited in claim ~~13~~10, and further comprising computer code for loading a decoder with the map.
15. (Cancelled)
16. (Currently Amended) The computer program product as recited in claim ~~15~~10, wherein the map includes a look-up table.
17. (Cancelled)
18. (Original) The computer program product as recited in claim 10, wherein the textual identifiers include alphanumeric text descriptive of the protocol decode objects.
19. (Currently Amended) A system for translating protocol decode objects, comprising:
 - (a) logic for receiving a plurality of frames;
 - (b) logic for decoding the frames in order to generate protocol decode objects each with a numerical identifier associated therewith;
 - (c) logic for translating each numerical identifier to a textual identifier; and

- (d) logic for displaying each textual identifier associated with the protocol decode objects for facilitating the use of the protocol decode objects during network analysis;
wherein a list of management information bases (MIBs) is received from a user utilizing an MIB graphical user interface, where the MIBs are selected based on which of a plurality of protocol components are to be decoded;
wherein the list of MIBs is compiled in order to generate a map;
wherein the numerical identifier is translated to the textual identifier utilizing the map;
wherein the map includes a list of the numerical identifiers each with the associated textual identifier;
wherein an analysis graphical user interface is included with a summary window for displaying the textual identifier, and a decode window for displaying decoded frames simultaneously with the summary window.
20. (Currently Amended) A system for translating protocol decode objects, comprising:
- (a) means for receiving a plurality of frames;
 - (b) means for decoding the frames in order to generate protocol decode objects each with a numerical identifier associated therewith;
 - (c) means for translating each numerical identifier to a textual identifier; and
 - (d) means for displaying each textual identifier associated with the protocol decode objects for facilitating the use of the protocol decode objects during network analysis;
wherein a list of management information bases (MIBs) is received from a user utilizing an MIB graphical user interface, where the MIBs are selected based on which of a plurality of protocol components are to be decoded;
wherein the list of MIBs is compiled in order to generate a map;
wherein the numerical identifier is translated to the textual identifier utilizing the map;
wherein the map includes a list of the numerical identifiers each with the associated textual identifier;
wherein an analysis graphical user interface is included with a summary window for displaying the textual identifier, and a decode window for displaying decoded frames simultaneously with the summary window.

21. (Currently Amended) A method for translating protocol decode objects, comprising:
- (a) receiving a list of management information bases (MIBs) from a user;
 - (b) compiling the list of MIBs in order to generate a map;
 - (c) loading a decoder with the map; and
 - (d) decoding a plurality of frames utilizing the map;
- wherein the list of MIBs is received from the user utilizing an MIB graphical user interface,
where the MIBs are selected based on which of a plurality of protocol components are to be
decoded;
wherein a numerical identifier is translated to a textual identifier utilizing the map;
wherein the map includes a list of the numerical identifiers each with the associated textual
identifier;
wherein an analysis graphical user interface is included with a summary window for
displaying the textual identifier, and a decode window for displaying decoded frames
simultaneously with the summary window.
22. (Currently Amended) A computer program product for translating protocol decode objects, comprising:
- (a) computer code for receiving a list of management information bases (MIBs) from a user;
 - (b) computer code for compiling the list of MIBs in order to generate a map;
 - (c) computer code for loading a decoder with the map; and
 - (d) computer code for decoding a plurality of frames utilizing the map;
- wherein the list of MIBs is received from the user utilizing an MIB graphical user interface,
where the MIBs are selected based on which of a plurality of protocol components are to be
decoded;
wherein a numerical identifier is translated to a textual identifier utilizing the map;
wherein the map includes a list of the numerical identifiers each with the associated textual
identifier;

wherein an analysis graphical user interface is included with a summary window for displaying the textual identifier, and a decode window for displaying decoded frames simultaneously with the summary window.

23. (Currently Amended) A data structure stored in memory for translating protocol decode objects, comprising:
- (a) a map object for correlating numerical identifiers of protocol decode objects with textual identifiers;
 - (b) wherein the textual identifiers associated with the protocol decode objects are adapted for facilitating the use of the protocol decode objects during network analysis;
wherein a list of management information bases (MIBs) is received from a user utilizing an MIB graphical user interface, where the MIBs are selected based on which of a plurality of protocol components are to be decoded;
wherein the list of MIBs is compiled in order to generate the map object, which includes a map;
wherein the numerical identifiers are translated to the textual identifiers utilizing the map;
wherein the map includes a list of the numerical identifiers each with the associated textual identifier;
wherein an analysis graphical user interface is included with a summary window for displaying the textual identifiers, and a decode window for displaying decoded frames simultaneously with the summary window.

24. (Currently Amended) A method for translating protocol decode objects, comprising:
- (a) receiving a list of management information bases (MIBs) from a user;
 - (b) compiling the list of MIBs in order to generate a map;
 - (c) loading a decoder with the map;
 - (d) decoding a frame including:
 - (i) receiving a frame,
 - (ii) generating at least one SNMP (ASN.1) protocol decode object with a numerical identifier associated therewith during the decoding, and

- (iii) translating the numerical identifier to a textual identifier utilizing the map; and
 - (e) displaying the textual identifier associated with the protocol decode object for facilitating the use of the protocol decode object during network analysis;
 - (f) determining whether another frame exists; and
 - (g) repeating (d) – (f) based on whether it is determined that another frame exists;
wherein the list of MIBs is received from the user utilizing an MIB graphical user interface, where the MIBs are selected based on which of a plurality of protocol components are to be decoded;
wherein the map includes a list of the numerical identifiers each with the associated textual identifier;
wherein an analysis graphical user interface is included with a summary window for displaying the textual identifier, and a decode window for displaying decoded frames simultaneously with the summary window.
25. (Cancelled)
26. (Previously Presented) A method as recited in claim 1, wherein the translation is performed based on Request for Comments (RFC) management information bases (MIBs).
27. (Previously Presented) A method as recited in claim 1, wherein the protocol decode objects include simple network management protocol (SNMP) decode objects.
28. (Currently Amended) A method for translating simple network management protocol (SNMP) decode objects, comprising:
receiving a plurality of frames;
decoding the frames in order to generate SNMP decode objects;
translating each SNMP decode object to a textual identifier based on Request for Comments (RFC) information; and
displaying each textual identifier associated with the SNMP decode objects for facilitating the use of the SNMP decode objects during network analysis;

wherein the textual identifiers include alphanumeric text descriptive of the SNMP decode objects;

wherein a list of management information bases (MIBs) is received from a user utilizing an MIB graphical user interface, where the MIBs are selected based on which of a plurality of protocol components are to be decoded;

wherein the list of MIBs is compiled in order to generate a map;

wherein numerical identifiers are translated to the textual identifiers utilizing the map;

wherein the map includes a list of the numerical identifiers each with the associated textual identifier;

wherein an analysis graphical user interface is included with a summary window for displaying the textual identifiers, and a decode window for displaying decoded frames simultaneously with the summary window.